

ABSTRACT

A directional microphone assembly comprising a surface part having at least two inlet holes for sound, a microphone having at least two sound inlets, and means for transporting sound from each inlet hole to a respective sound inlet, where the transporting means are hollow and at least substantially rigid. The microphone assembly may be used in directional microphones such as for use in hearing aids. The advantage of using rigid transporting means is seen in that the assembly may simply be forced against a face plate instead of soft tubes having to be assembled thereto. It is further described how the shape of the rigid transporting means (e.g. the diameter, the inner surface and the curvature) influences the frequency response and directionality of the tubing and how the diameter of the inlet hole influences the directionality.

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